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PATENT,

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

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Signature

Applicant : Donald P. Matthews, Jr.  
Application No. : 10/026,109  
Filed : December 20, 2001  
Title : METHODS AND APPARATUS FOR ACCELERATING ARC  
PROCESSING  
Grp./Div. : 2131  
Examiner : A.R. Sheikh  
Docket No. : 50476/SDB/B600

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AUG 29 2003

Technology Center 2100

**INFORMATION DISCLOSURE STATEMENT**  
**37 CFR § 1.97(b)**

Commissioner for Patents  
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Post Office Box 7068  
Pasadena, CA 91109-7068  
August 20, 2003

Commissioner:

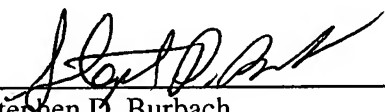
In compliance with the duty of disclosure under 37 CFR §§ 1.56, 1.97 and 1.98, and in accordance with the provisions in the Manual of Patent Examining Procedure §§ 609 and 707.05(b), enclosed is FORM PTO/SB/08A/B listing the references that are known to applicant. Copies of each of the listed references are enclosed. This filing is timely because it is made during one of the periods described in 37 CFR § 1.97(b).

Application No. 10/026,109

It is respectfully requested that the listed references be considered in the examination of this application and identified on the list of references cited on the patent issuing for this application. Applicant also requests that an initialed copy of FORM PTO/SB/08A/B be entered in the application file and returned to applicant with the next communication from the Office in accordance with MPEP § 609.

Respectfully submitted,

CHRISTIE, PARKER & HALE, LLP

By   
Stephen D. Burbach  
Reg. No. 40,285  
626/795-9900

SDB/dlf

Enclosures: PTO/SB/08A/B, w/references  
DLF PAS522062.1-\* -08/20/03 9:15 AM

(use as many sheets as necessary)

<b>Attorney Docket Number</b>	<b>50476/SDB/B600</b>
<b>Application Number</b>	<b>10/026,109</b>
<b>Filing Date</b>	<b>December 20, 2001</b>
<b>Applicant(s)</b>	<b>Donald P. Matthews, Jr.</b>
<b>Group Art Unit</b>	<b>2131</b>
<b>Examiner Name</b>	<b>A.R. Sheikh</b>

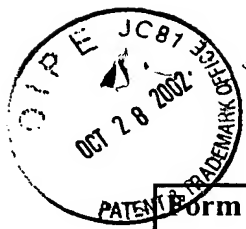
U.S. PATENT DOCUMENTS				
EXAMINER INITIALS	Cite No. <sup>1</sup>	DOCUMENT NUMBER Number - Kind Code <sup>2</sup> (If Known)	PUBLICATION DATE MM-DD-YYYY	NAME OF PATENTEE
		4,737,933	04-12-1988	Chiang et al.
		6,088,800	07-11-2000	Jones et al.

FOREIGN PATENT DOCUMENTS					
EXAMINER INITIALS	Cite No. <sup>1</sup>	Foreign Patent Document Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (If Known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	T <sup>6</sup> (✓)

OTHER DOCUMENTS		
EXAMINER INITIALS	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article, title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
		PAUL D. KUNDAREWICH et al., <i>A CPLD-based RC-4 Cracking System</i> , Electrical and Computer Engineering, 1999 IEEE Canadian Conference on Edmonton, Alta., Canada 9-12 May 1999, Piscataway, NJ, USA, IEEE, US, 9 May 1999, pages 397-402
		European Search Report dated June 3, 2003 for EP 02 25 4773.

EXAMINER SIGNATURE	DATE CONSIDERED
<p>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kinds Codes of USPTO Patent Documents at <a href="http://www.pto.gov">www.pto.gov</a> or MPEP 901.4. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup>Applicant is to place a check mark here if English Language Translation is attached.</p>	

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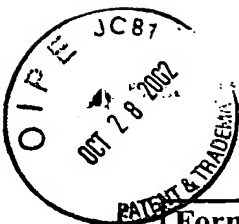
<b>Form 1449 (Modified)</b>  <b>Information Disclosure Statement By Applicant</b>  (Use Several Sheets if Necessary)	Atty Docket No.	Application No.:
	BRCMP016/BP2009	10/026,109
	Applicant:	
	Donald P. Matthews	
Filing Date	Group	
December 20, 2001	21	<b>RECEIVED</b>

OCT 30 2002

**Other Documents**

Examiner Initial	No.	Author, Title, Date, Place (e.g. Journal) of Publication	Technology Center 2100
	B1	Smirni, et al., "Evaluation of Multiprocessor Allocation Policies", Technical Report, Vanderbilt University, Online, 1993, pages 1-21.	
	B2	Tarman, et al., "Algorithm-Agile Encryption in ATM Networks", IEEE Computer, September 1998, Vol. 31, No.1, pages 57-64.	
	B3	Wassal, et al., "A VLSI Architecture for ATM Algorithm-Agile Encryption", Proceedings Ninth Great Lakes Symposium on VLSI, 4-6 March 1999, pages 325-328.	
	B4	Analog Devices: "Analog Devices and IRE Announce First DSP-Based Internet Security System-On-A-Chip", Analog Devices Press Release, Online, 19 January 1999, pages 1-3. <a href="http://content.analog.com/pressrelease/prdisplay/0,1622,16,00.html">http://content.analog.com/pressrelease/prdisplay/0,1622,16,00.html</a> .	
	B5	3Com: "3Com Launes New Era of Network Connectivity", 3Com Press Release, 14 June 1999, pages 1-3.	
	B6	"Secure Products VMS115", VLSI Technology, Inc., Printed in USA, Document Control: VMS115, VI, 0, January 99, pp. 1-2.	
	B7	"VMS115 Data Sheet", VLSI Technology, Inc., a subsidiary of Philips Semiconductors, Revision 2:3, August 10, 1999, pp. 1-64.	
	B8	"Data Sheet 7751 Encryption Processor", Network Security Processors, June 1999, pp. 1-84.	
	B9	Senie, D., "NAT Friendly Application Design Guidelines", Amaranth Networks, Inc., NAT Working Group, Internet-Draft, September 1999, pp. 1-7.	
	B10	Floyd, Sally, et al., "Random Early Detection Gateways for Congestion Avoidance", Lawrence Berkeley Laboratory, University of California, IEEE/ACM Transactions on Networking, August 1993, pp. 1-32.	
	B11	Egevang, K., et al., "The IP Network Address Translator (NAT)", Network Working Group, May 1994, pp. 1-10.	
	B12	Pall, G. S., et al., "Microsoft Point-To-Point Encryption (MPPE) Protocol", Microsoft Corporation, Network Working Group, Internet Draft, October 1999, pp. 1-12.	
	B13	Deutsch, P., "DEFLATE Compressed Data Format Specification Version 1.3", Aladdin Enterprises, Network Working Group, May 1996, pp. 1-17.	
Examiner		Date Considered	

Examiner: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



<b>Form 1449 (Modified)</b>  <b>Information Disclosure Statement By Applicant</b>  (Use Several Sheets if Necessary)	Atty Docket No. BRCMP016/BP2009 Applicant: Donald P. Matthews Filing Date December 20, 2001	Application No.: 10/026,109  Group 2131
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**Other Documents**

Technology Center 2100

Examiner Initial	No.	Author, Title, Date, Place (e.g. Journal) of Publication
	C1	Kent, S., "IP Authentication Header", Network Working Group, November 1998, pp. 1-22
	C2	Kent, S., et al., "IP Encapsulating Security Payload (ESP)", Network Working Group, November 1998, pp. 1-22.
	C3	Maughan, D, et al., "Internet Security Association and Key Management Protocol (ISAKMP)", Network Working Group, November 1998, pp. 1-20.
	C4	Harkins, D., et al., "The Internet Key Exchange (IKE)", Cisco Systems, Network Working Group, November 1998, pp. 1-12.
	C5	Srisuresh, P., "Security Model with Tunnel-mode Ipsec for NAT Domains", Lucent Technologies, Network Working Group, October 1999, pp. 1-11.
	C6	Shenker, S., "Specification of Guaranteed Quality of Service", Network Working Group, September 1997, pp. 1-20.
	C7	Srisuresh, P., et al., "IP Network Address Translator (NAT) Terminology and Considerations", Lucent Technologies, Network Working Group, August 1999, pp. 1-30.
	C8	Kent, S., et al., "Security Architecture for the Internet Protocol", Network Working Group, November 1998, pp. 1-66.
	C9	"Compression for Broadband Data Communications", BlueSteel Networks, Inc., September 8, 1999, pp. 1-9.
	C10	"Securing and Accelerating e-Commerce Transactions", BlueSteel Networks, Inc., Revision 2.0, October 20, 1999, pp. 1-7.
	C11	"Securing Broadband Communications" BlueSteel Networks, Inc., September 8, 1999, pp. 1-10.
	C12	R. Sedgewick, "Algorithms in C – Third Edition", 1998, Addison Wesley XP002163543, pages 573--608
Examiner		Date Considered

Examiner: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.